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THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Appln. Of: CARROLL ET AL
Serial No. 09/990,838
Filed: NOVEMBER 14, 2001
For: INTEGRATED MAGNETIC BEARING
Group: 2834
Examiner: T. LAM DOCKET: AIREX 00.01

The Commissioner for Patents
Washington, D.C. 20231

AMENDMENT A

Dear Sir:

This is in response to the Official Action mailed November 21, 2002. Please amend the above-identified application as follows:

IN THE CLAIMS:

Kindly cancel claims 5 and 6, with prejudice.

Please amend claims 1-2, 4, 7, 9-10, 17, 19 and 25 as follows:

1. (Amended) An integrated motor and magnetic bearing, comprising:
a rotor comprising a plurality of permanent magnets; and
a stator comprising a plurality of independently controlled motor segments magnetically coupled to said permanent magnets;
said motor segments adapted to produce tangential forces thereto, thereby producing both torque and bearing forces on said stator and said rotor from said tangential forces.
2. (Amended) An integrated motor and magnetic bearing as claimed in claim 1, said motor segments comprising a plurality of coil phases.